APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Quantity of Oxide Inclusion in Killed [Low-Carbon] Steel as Function of Way Aluminum Is Introduced for Deoxidation, by S. F. Karp.

RUSSIAN, per, Iz Vyssshikh Uchebn Zaved, Chern Metal, No 7, 1960, pp 49-53.

HB 4927

Sci - Min/Met

Apr 61

147,457

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Heat Extraction in the Secondary Cooling Zone During Continuous Casting of Steel, by A. D. Pkimenko, A. A. Skvortsov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 7, 1960, pp 54-59.

HB 4931

Gal - Min/Met

Jul 61

161,023

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Continuous Blowing of Hot Metal in Runner With Oxygen, by V. A. Fuklev.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 7, 1960, pp 60-67.

HB 4926

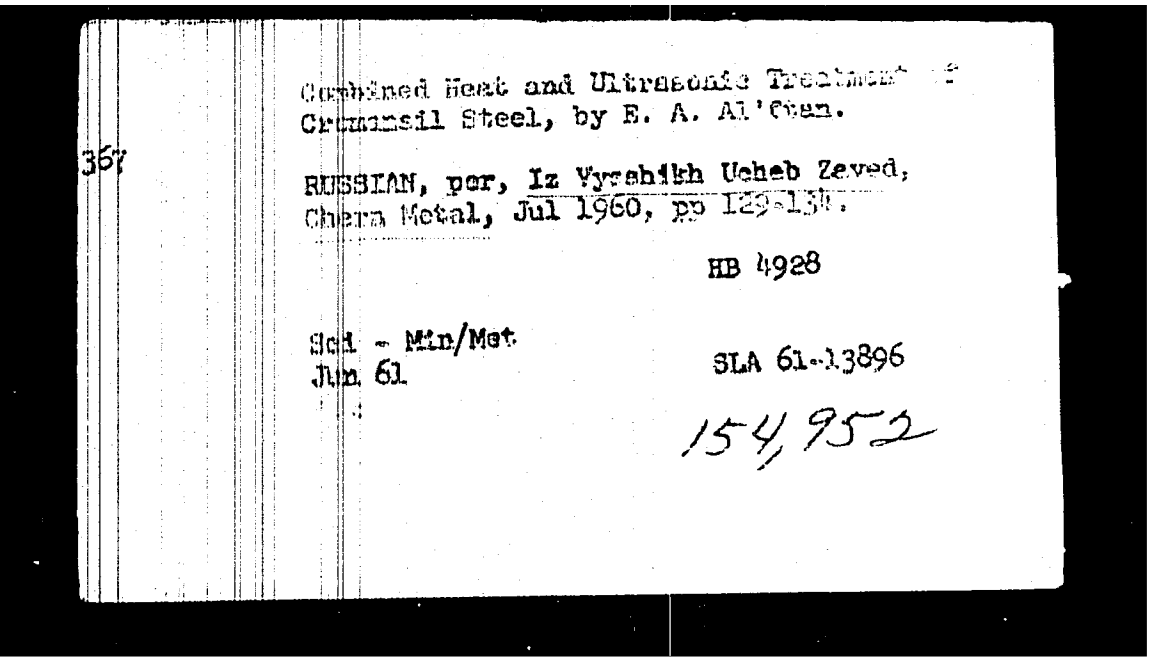
164,322

Sci - Min/Metals

Aug 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Combined Heat and Ultrasonic Treatment of Chromsil Steel, by E. A. Al'Gwan.

367

RUSSIAN, per, Iz Vyssshikh Ucheb Zeved, Chern Metal, Jul 1960, pp 129-130.

HB 4928

Sci - Min/Met
Jun 61

SLA 61-13896

154,952

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

The Dependence of the Recrystallization Temperature of Chrome-Base Binary Alloys on the Alloying Process, b S. S. Gorelik, N. N. Muller.

RUSSIAN, per, Iz Vyssshikh Uchab Zaved, Chern Metallurgiya, No 7, 1960, pp 146-155.

Army Materiel Command
Tr Log No 104

Scd - M/H
Apr 63

22/312

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

EFFECT OF SECONDARY QUENCHING ON THE
STRUCTURE AND PROPERTIES OF E1617 ALLOY,
BY I. S. BELYATSKAYA, B. G. LIVSHITS,

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED
CHERN METALLURGII, NO 7, 1960, PP 156-162.

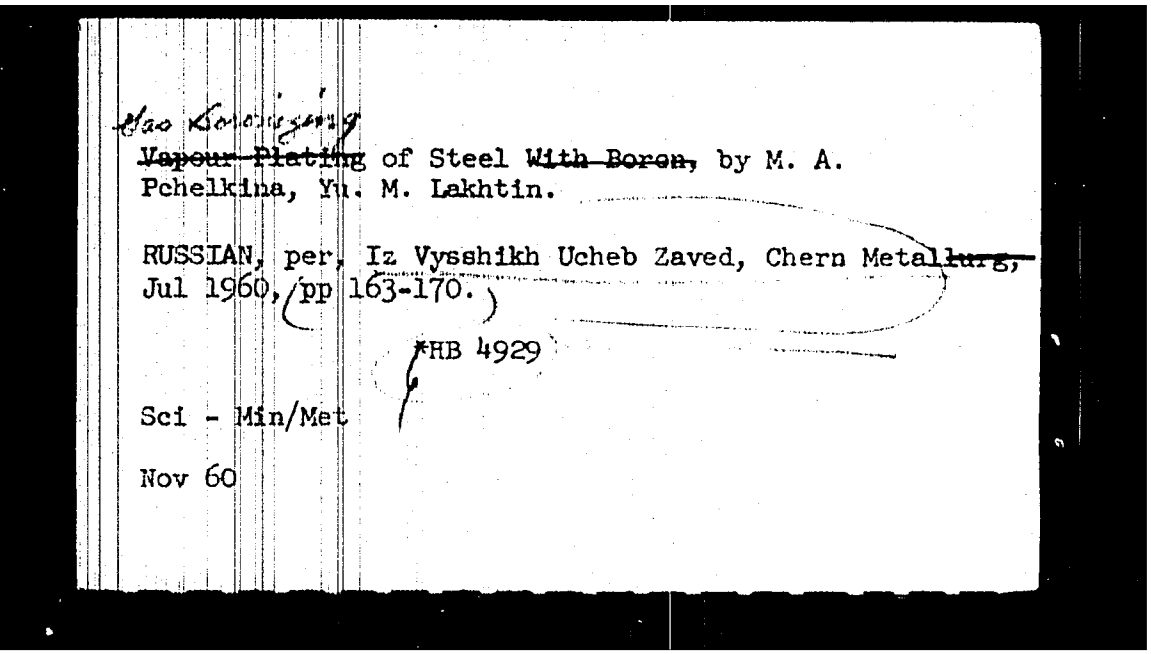
NLL M.3493

SCI - M/M

JUN 62 199,144

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Hao Kongzang

~~Vapour Plating~~ of Steel ~~With Boron,~~ by M. A. Pchelkina, Yu. M. Lakhtin.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metallurg, Jul 1960, (pp 163-170.)

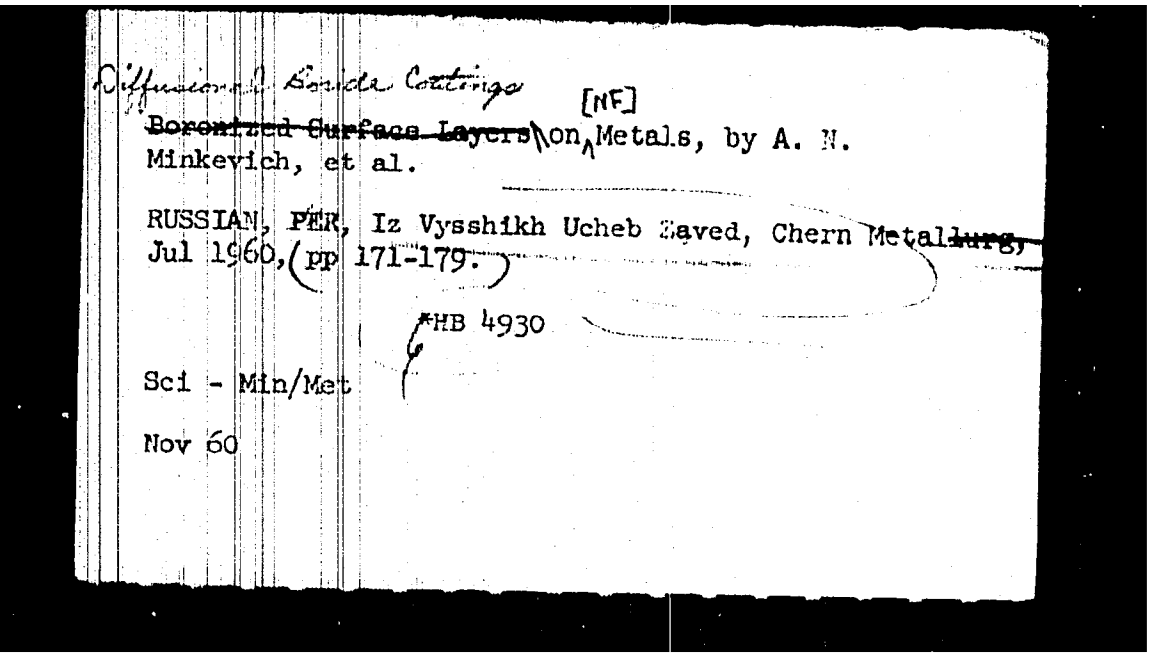
HB 4929

Sci - Min/Met

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Diffusional Boride Coatings

[NF]

~~Boronized Surface Layers~~ on Metals, by A. N. Minkevich, et al.

RUSSIAN, PER, Iz Vysshikh Ucheb Zaved, Chern Metallurg, Jul 1960, (pp 171-179.)

HB 4930

Sci - Min/Met

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

The Surface Properties of Iron-Carbon Alloys, by B. V. Tsarevskiy, S. I. Popel'. 10pp

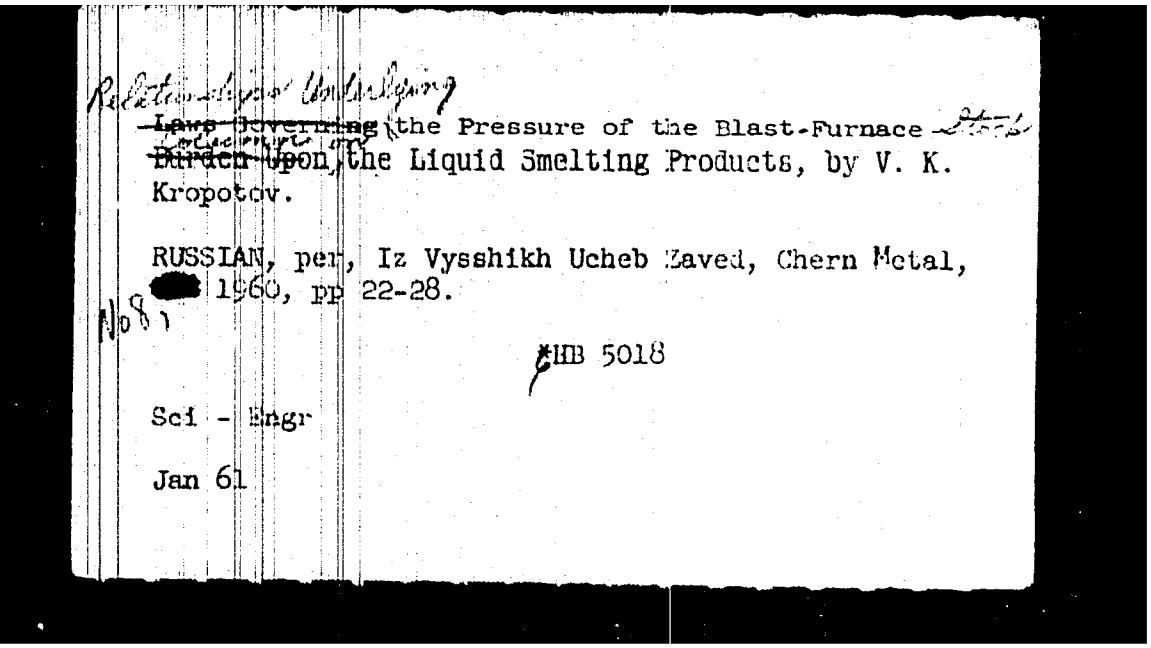
RUSSIAN, per, Izvestiya S Vysshikh Uchebnykh Zavedeniy, Chernaya Metallurgiya, No 8, 1960, pp 15-21. 9210580

NASA TT F-149

Sci-M/M
Jan 64

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Relationship Governing

~~Laws Governing~~ the Pressure of the Blast-Furnace ~~Burden upon~~ the Liquid Smelting Products, by V. K. Kropotov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, [redacted] 1960, pp 22-28.

No 81

HB 5018

Sci - Engr

Jan 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

A New Technology in the Melting of Ball-Bearing Steel ShKh15 Using White Foaming Slags, by N. M. Chuiko, et al.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, Aug 1960, pp 38-47.

BISI 2136

Sci - Min/Met

Jun 61

158,857

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

The Ideal Shape for a Piercing Mill Plug, by V. V. Shvetkin.

RUSSIAN, per, Iz Vysshikh Uchob Zaved, Chern Metal, No 8, 1960, pp 81-87.

BISI 2785

Sci - Engr

Jul 62

List 138

204,774

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

The Heating of Large Ingots in Regenerative Soaking Pits, by N. Yu. Taits, et al.

RUSSIAN, per, Iz Vysshikh Uchebn Zaved, Chern Metal, No 8, 1960, pp 160-166.

BISI 2391

Sci - Engr

Sep 61

list 110

168,570

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Turovskii, B. M. and Lyubimov, A. P.
THE EFFECT OF A MODIFYING AGENT UPON THE VISCOSITY OF CAST IRON (Vliyanie Modifitsirovaniya na Vyazkost' Chuguna). [1963] [9p] (foreign text included) 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-10563

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no. 9, p. 5-7.

DESCRIPTORS: *Iron, Casting, *Iron alloys, *Silicon alloys, *Viscosity, Metallurgy, Nucleation, Cast iron,

(Metallurgy--Ferrous Metals, TT, v. 11, no. 8)

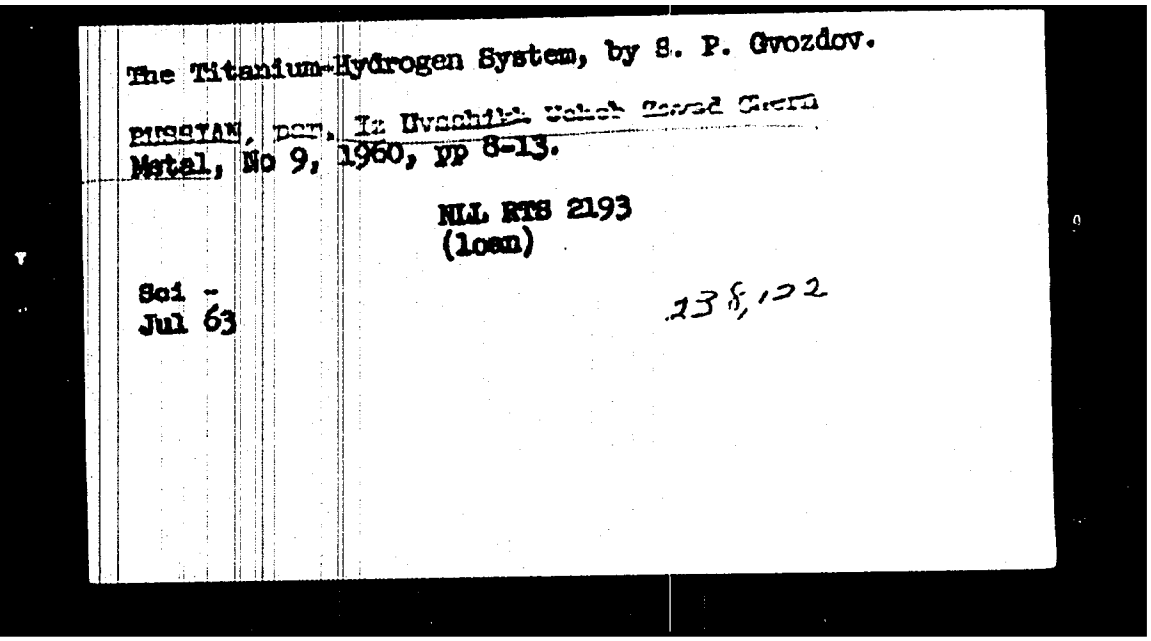
TT-64-10563

I. Turovskii, B. M.
II. Lyubimov, A. P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



The Titanium-Hydrogen System, by S. P. Gvozdov.

RUSSIAN, DOM, Iz Uvanchik Vakch Zavad Cvetn
Metal, No 9, 1960, pp 8-13.

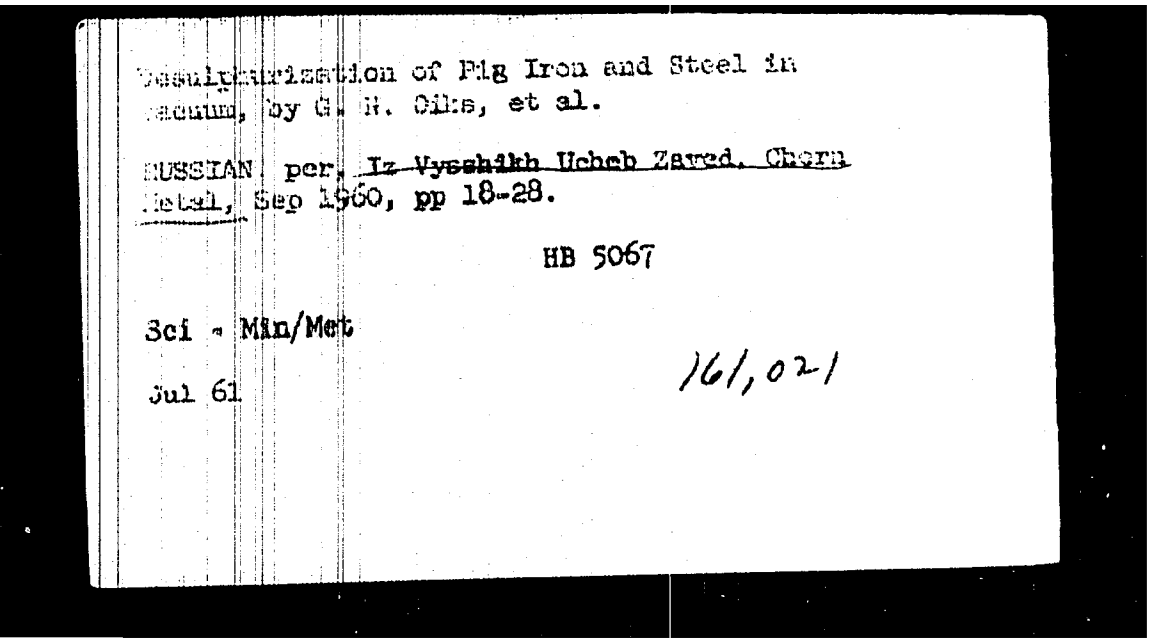
NLL RTS 2193
(loan)

Sci -
Jul 63

138,122

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Desulphurization of Pig Iron and Steel in Vacuum, by G. N. Oiks, et al.

RUSSIAN per, Iz Vysshikh Uchob Zaved. Chern Metal, Sep 1960, pp 18-28.

HB 5067

Sci - Min/Met

Jul 61

161,021

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Characteristics of the Pressing of Molten Steel Under High Pressure, by P. N. Bidulya, K. N. Smirnova.

RUSSIAN, per, Iz Vyasshikh Uchebn Zaved, Chern Metal, No 9, 1960, pp 43-49.

SIA 61-19207

Sci

Sep 61

168 609

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Kolmogorov, V. L.
UNTERSUCHUNG VON BEARBEITUNGSVERFAHREN DER METALLE DURCH DRUCK NACH DEM VERFAHREN DER PLASTIZITÄTSTHEORIE (Investigation of Tooling Methods for Metals by Pressure According to the Plasticity Theory).
Order from TIB $3.35

Trans. in German of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no. 9, p. 79-89.

DESCRIPTORS: *Metals, Pressure, *Plasticity, *Theory

(Metallurgy, TT, v. 9, no. 11)

62-27307

I. Kolmogorov, V. L.
II. Technische Informations-bibliothek, Hannover (West Germany)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Study of Reversible [High-Temperature] Temper Brittleness by the Micro Thermo-Electromotive Force Method, by E. V. Panchenko, E. M. Strug.

RUSSIAN, per, Iz Vyashikh Ucheb Zaved, Chern Met No 9, 1960, pp 157-159.

HB 5065

Sci - Min/Met

Jun 61

156,425

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Mechanical Properties of Steel Improved by Combined Heat and Ultrasonic Treatment, by E. A. Al'tan.

RUSSIAN, per, Iz Vyashikh Uchab Zaved, Chern Metal, No 9, 1960, pp 160-166.

MB 5068

Sci - Min/Metals

Sep 61

170, 116

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Phosphorus and Boron Upon the Reversible [High-Temperature] Temper Brittleness of Low-Carbon Nickel Steels, by L. S. Lyakhovich, T. S. Shilkova.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 9, 1960, pp 167, 168.

HB 5066

Sci - Chem

Apr 61

147,472

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

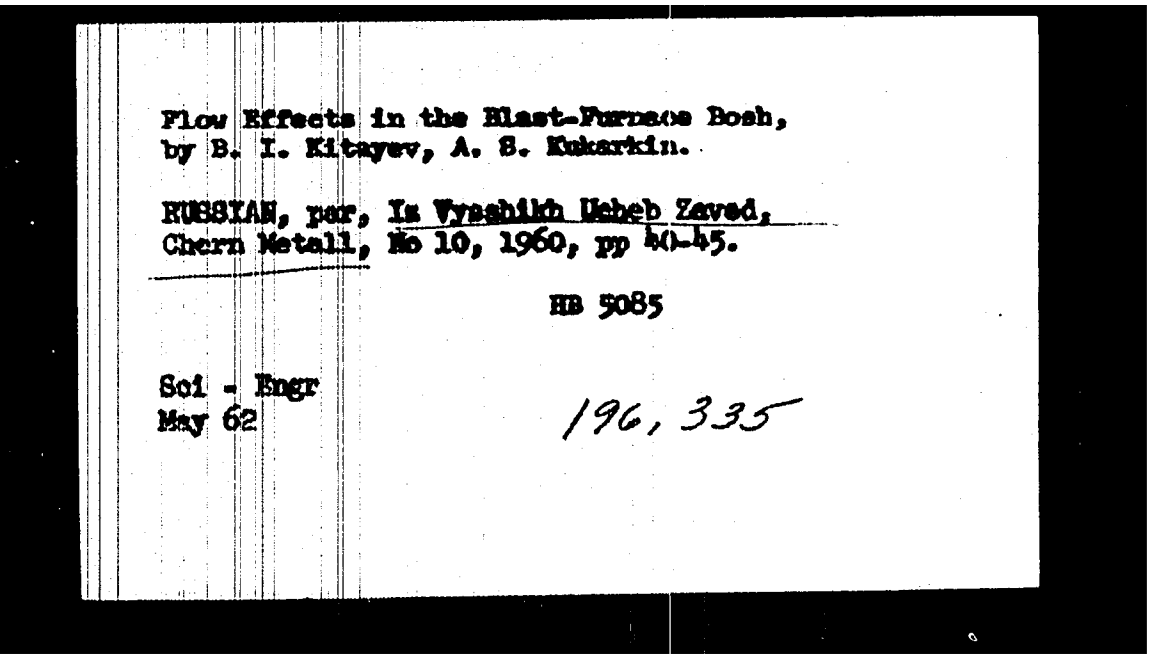
An Investigation of the Internal Design of the Melting Chamber of a Ferro-Silicon Furnace, by I. T. Zhuravlev.
RUSSIAN, per, Izv. VUZ Chern. Met, No 9, 1960, pp 173-181.
BIBI 5000

314,492

Sci - Methods and Equipment
Dec 66

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Flow Effects in the Blast-Furnace Bosh,
by B. I. Kitayev, A. S. Kukarkin.

RUSSIAN, per, Iz Vyssshikh Uchebb Zaved,
Chern Metall, No 10, 1960, pp 40-45.

HB 5085

Sci - Engr
May 62

196,335

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Diffusion of Hydrogen in Semifinished Steel, by S. Ya. Povolotskiy.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 10, 1960, pp 79-83.

HB 5139

Sci

Aug 61

163,184

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Distribution of Stresses in a Forging Deformed by Bending, With Special Reference to Flake Formation, by I. E. Brainin, V. A. Kharchenko.

RUSSIAN, per, Iz Vuss Ucheb Zaved, Chern Met, No 10, 1960, pp 139-142.

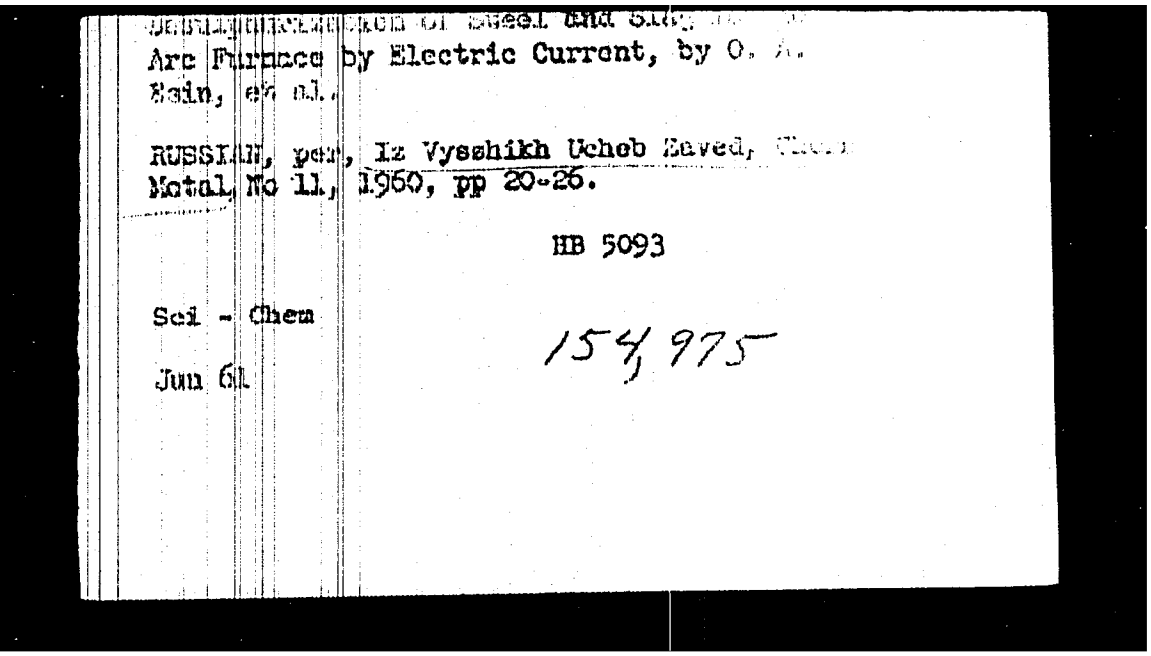
HB 5251

Sci - Engr
Oct 61

171,865

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Arc Furnace by Electric Current, by O. A.
Esin, et al.,

RUSSIAN, per, Iz Vysshikh Uchob Zaved, Chern
Metal, No 11, 1960, pp 20-26.

HB 5093

Sci - Chem

Jun 61

154,975

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Desulfurization of Liquid Steel by Slag Mixtures During Vacuum Treatment, by V. A. Chernyakov, A. M. Samarin.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 11, 1960, pp 32-35.

HB 5092

Sci - Min/Met

Apr 61

147,455

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Study of Titanium-Alloyed Free-Cutting Steels, by I. M. Pavlov, I. K. Suvorov, Yu. B. Formenko.

RUSSIAN, per, Iz Vysshikh Uchob Zaved, Chern Metal, No 11, 1960, pp 61-65.

HB 5091

Sci - Min/Met

Jun 61

155, 169

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Induction Hardening of Metal-Powder Compacts [Especially Iron Powders], by I. N. Kidin.

RUSSIAN, per, Iz Vyssshikh Uchob Zaved, Chern Metal, No 11, 1960, pp 113-120.

HB 5094

Sci

170, 132

Sep 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

(DC-5487)

Successes of Soviet Electric Spindle Making, by N. A. Spitsyn, 7 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Mash, No 11, 1960, pp 130-134.

JPRS 8333

Sci - Electricity

155457

Jun 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Heating Temperature and Forging Time of Large Steel Ingots Upon the Latters' Properties, by M. P. Braun, et al.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, Dec 1960.

*HB 5090

Sci - Engr

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

The Chromization of Ferro-Chrome Alloys at High Temperatures, by R. P. Krentsis. RUSSIAN, per, Izv VUZ Chern Met, No 12, 1960, PP 5-11.
*CFSTI TT 70-58195

Sci-Phys
June 70

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Rate of Flow of Granular Materials From an Opening and ~~kx~~ the Shape of the High-Permeability Zone, by B. S. Fyalkov, V. K. Gruzinov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, Dec 1960, pp 17-22.

HB 5105

Sci - Min/Metals

164,309

Aug 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Combustion of Carbon During the Sintering of Iron Ores, by A. A. Sigov, V. A. Shurkhal.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 12, 1960, pp 23-30.

HB 5104

Sci - Chem

Jul 61

161,025

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Way of Pouring the Metal Into Mold Upon Longitudinal Top Cracking of Continuously Cast Slabs, by G. A. Yodko.

RUSSIAN, per, Iz Vysshikh Uchneb Zaved, Chern Metal, No 12, 1960, pp 31-38.

HB 5082

Sci - Min/Met

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Temperature and Time of Reheating of Large Ingots for Forging Upon Steel Properties, by M. P. Braun, Et al.

RUSSIAN, par, Iz Vyshikh Uchab Zaved, Chern Metal, No 12, 1960, pp 111-113.

HB 5090

Sci - Min/Met; Chem

Apr 61

147,450

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Nature of Secondary Martensite Conversion in Steel, by G. V. Korotushenko, 14 pp.

RUSSIAN, per, Iz Vysshikh Uchsb Zaved, Cher Metal, No 12, 1960, pp 114-123.
9673081

FTD MIL-1386/1

Sci - Min/Metal

2 Mar 62

186.279

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Slag Control in Oxygen Top-Blowing [LD] Process of Steelmaking, by S. D. Gagin.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 12, 1960, pp 173-182.

HB 5083

Sci - Chem

Apr 61

147, #60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Kinetics of Direct Oxidation of Impurities in Liquid Iron, by S. I. Filippov, S. Z. Martynov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 1, 1961, pp 5-11.

HB 5134

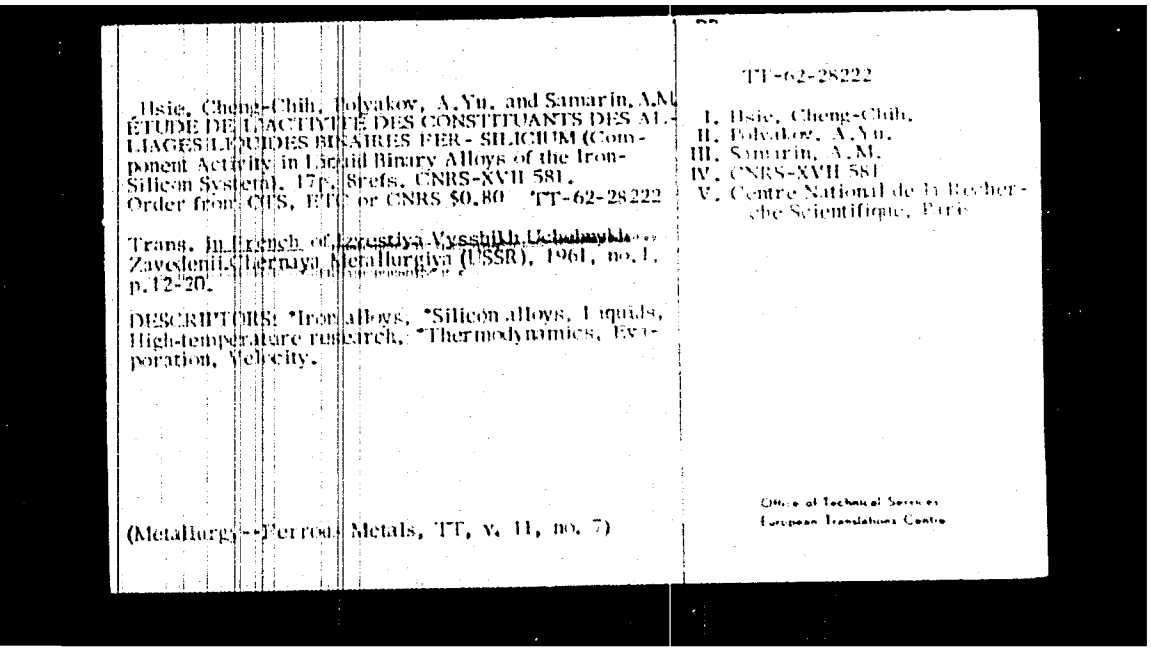
164,328

Sci - Chem

Aug 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Hsie, Cheng-Chih, Polyakow, A.Yu. and Samarin, A.M.
ÉTUDE DE L'ACTIVITÉ DES CONSTITUANTS DES ALLIAGES LIQUIDES BINAIRES FER - SILICIUM (Component Activity in Liquid Binary Alloys of the Iron-Silicon System). 17p. 8refs. CNRS-XVII 581. Order from: CFS, ETC or CNRS $0.80 TT-62-28222

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR), 1961, no.1, p.12-20.

DESCRIPTORS: *Iron alloys, *Silicon alloys, Liquids, High-temperature research, *Thermodynamics, Evaporation, Velocity.

(Metallurgy--Ferrous Metals, TT, v. 11, no. 7)

TT-62-28222

I. Hsie, Cheng-Chih.
II. Polyakow, A.Yu.
III. Samarin, A.M.
IV. CNRS-XVII 581
V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Laboratory Study of Nitrogen Elimination From Liquid Ti-Containing 18% Cr, 10% Ni Steel, by Yu. G. Gurevich.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal. No 1, 1961, pp 21-30.

HB 5135

Sci - Chem

Jan 62

178,323

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Isothermal Transformation of Supercooled Austenite in Binary Ferrochromium Alloys, by M. E. Blanter, A. K. Mashkov.
RUSSIAN, per. Izv. VUZ Cher. Met. Vol 1, 1961, pp 160-165.
BISI 5309

Sci/Mat
Aug 68

961,380

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

The Effect of the Carbon Content of the Diffusion of Hydrogen in Carbon Steels, by G. I. Batalin, A. L. Balyasnyy, 8 pp.
RUSSIAN, per, Iz Vyssh Ucheb Zavwed, Chern Metal, No 3, 1961, pp 120-1225,
JPRS 24383

Scl - Met
May 64

257, 128

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Variation in Density of Lattice Defects [Dislocations[in Technically Pure Iron During Quenching and Tempering, by L. I. Mirkin.

RUSSIAN, per, Iz VKyssshikh Uchab Zaved, Chern Metal, No 1, 1961, pp 158-159.

HB 5131

Sci - Min/Met
May 62

196,295

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Heat Treatment on the Cold Brittleness of Low-Carbon Steel, by K. F. Stavrodubov, Yu. Z. Borkovskiy. RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chernaya Metallurgiya, No 1, 1961, pp 166-170.
GB/82/4653

Sci - Mat/Met
Jul 64

262,591

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Measurement of the Thermal EMF on Non-Wire Specimens, by E. V. Panchenko, E. M. Strug.

RUSSIAN, per, Iz Vses Ucheb Zaved, Tsvet Chern Met., 1961, No 1, pp 181-183.

HB 5217

Sci - Engr
Oct 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

THE EFFECT OF THE NUMBER OF INGOTS ON THE AERODYNAMICS AND HEAT EXCHANGE IN TOP FIRED SOAKING PITS, BY M. A. GLINKOV, CHOI EN SIR.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED, CHERN METAL, NO 1, 1961, PP 184-190.

BISI 2376

9087598

SCI - MIN/METALS

NOV 61

172,261

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Specific Heat of Pellets and Ore Concentrates, by S. G. Bratchikov.

RUSSIAN, per, Iz Vyshikh Ucheb Zaved, Chern Metal., No 2, 1961, pp 5-9.

HB 5140

Sci - Min/Met

182,771

Fev 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Control of Thermal Conditions in the Blast Furnace, by A. D. Gotlib.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metal, No 2, 1961, pp 10-21.

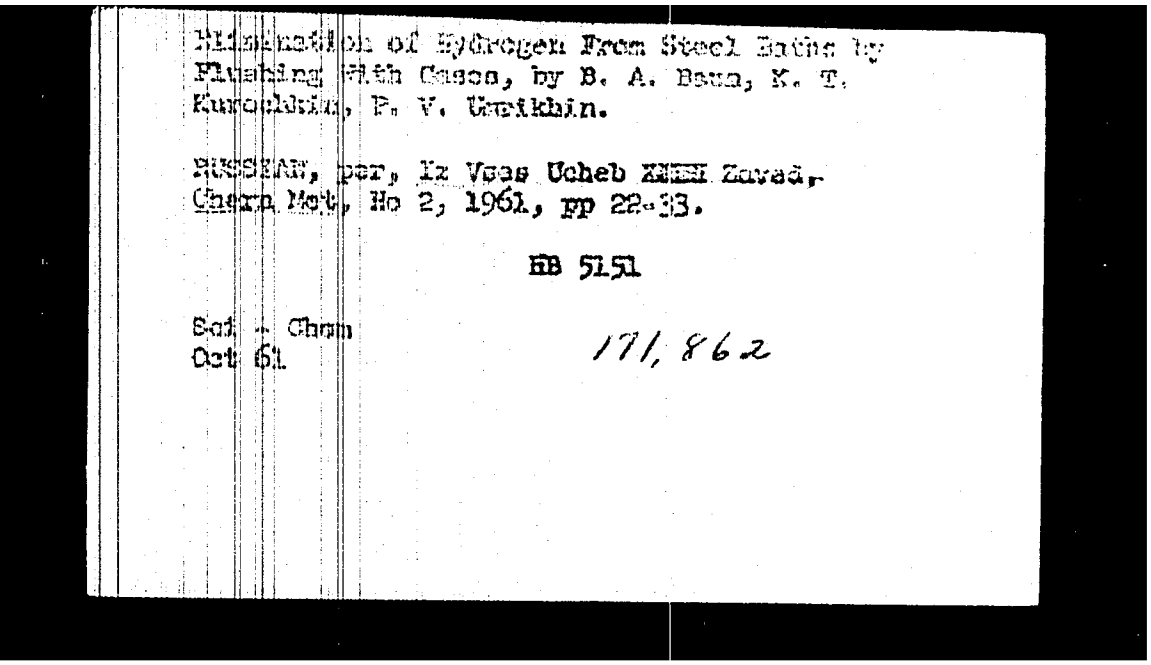
HB 5141

Sci - Engr
Dec 61

174,992

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Elimination of Hydrogen From Steel Baths by Flushing With Gases, by B. A. Baum, K. T. Kurochkin, P. V. Gelkhin.

RUSSIAN, per, Iz Vuss Ucheb Zaved, Chern Met, No 2, 1961, pp 22-33.

HB 5151

Sci - Chem
Oct 61

171,862

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Dust Formation in the Melting Chamber of Large-Capacity Open-Hearth Furnaces, by V. G. Antipin.

RUSSIAN, per, Iz Vysshikh Uchob Zaved, Chern Metal, No 2, 1961, pp 39-44.

HB 5150

Sci - Engr

Jan 62

178,046

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

On the Hydrogen Problem in Alloy Steels From the Electric Furnace, by E. S. Kalinnikov, I. P. Zavaluyev

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 2, 1961, pp 45-50.

MB 5149

Sci - Min/Metals

Sep 61

170, 112

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Alpha- and Epsilon Phases on the Strain Hardening of Austenitic Steels While Being Worked, by I. N. Bogachev, A. F. Sachavskiy.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 2, 1961, pp 100-108.

HB 5145

Sci

170, 131

Sep 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Measurement of Surface Temperatures in Sliding Friction, by A. G. Nikonov, G. N. Klebanov.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 2, 1961, pp 122-127.

HB 5146

Sci - Engr

164, 336

Aug 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Cupola Melting Process Accelerated by the Injection of Oxygen Into the Hearth, by I. S. Matveyenko, I. A. Zotkin.

RUSSIAN, per, Iz Vysshikh Uchob Zaved, Chern Metal, No 2, 1961, pp 133-137.

HB 5147

Sci - Min Engr

170, 119

Sep 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Ore Blending at Blast-Furnace and Sinter Plants, by E. S. Glikman.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 2, 1961, pp 191-196.

HB 5148

Sci - Min/Met
Dec 61

175,020

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Carbon and Silicon on the Surface Tension of Pig Iron, by K. I. Vashchenko, A. P. Rudoi.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Mt Chern Metal, No 3, 1961, pp 11-15.

MB 5165

Sci - Min/Metals

Sep 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Dzhoshi [V. B.] Vishkarev [A. F.] and [Yavoiskii, V. I.].
DIE ROLLE DER OBERFLACHENSPANNUNG BEI DER VERTEILUNG DES WASSERSTOFFES ZWISCHEN METALL- UND GASPHASE (The Role of Surface Tension During the Distribution of Hydrogen between Metalphase and Gasphase). 8p.
Order from TIS $1.55

Trans. in German of Izvestiya Vysshikh Uchebnykh Zavedenii. Chornaya Metallurgiya (USSR) 1961, no. 5, p. 23-30.

DESCRIPTORS: *Surface tension, *Hydrogen, *Metals, *Gases, Phase studies.

(Metallurgy, TIE, v. 9, no. 11)

62-27297

I. Dzhoshi, V. B.
II. Vishkarev, A. F.
III. Yavoiskii, V. I.
IV. Technische Informations-bibliothek, Hannover (West Germany)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Production of Steel Ingots Whose Pipe Holds Up in Subsequent Hot Working, by G. N. Oiks, G. A. Sokolov.

RUSSIAN, per, Iz Vyesshikh Ucheb Zaved, Chern Metal, No 3, 1961, pp 37-39.

HB 5167

Sci

Jul 61

161,022

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Dependence of Deformation Resistance On the Viscous Properties of Steel During Hot Pressure Treatment, by I. Ya. Tarnovskiy, A. A. Pozdyev, L. V. Kandrov, 11 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metall, No 3, 1961, pp 82-90. 9098283

AEC Tr-4958

189, 903

Sci - Chem
Apr 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

S-421/64

Effect of Carbon Content on Diffusion of Hydrogen in Carbon Steels, by G. I. Batalin, A. L. Balyasnyy. (DC-10017)

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metall, No 3, 1961, pp 120-125.

*JPRS

Sci - M/M
Apr 64

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

The Recrystallization of 40Kh Steel Under Deformation, by V. P. Severdenko, P. P. Ankut.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metal, No 3, 1961, pp 148-153.
BISI 3673

Sci - Engr
Aug 64

264,258

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

The influence of Aerodynamics on Dust Deposition in Slag Pockets and Vertical Uptakes, by M. A. Glinkov, A. Ya. Rekhtman.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 3, 1961, pp 161-171.

BISI 2296

Sci - Engr

160,152

Jul 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Study of Technical-Economical Factors in Stainless Steel Production, by V. A. Romenets, et al.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, Mar 1961, pp 197-206.

*HB 5168

USSR
Econ
Jun 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Experiments on the Direct Reduction of Iron Ores in a Fluidized Bed, by N. N. Dobrokhotov, K. E. Makhorin, O. S. Nichiporenko.

RUSSIAN, per, Iz Vuss Uchob Zaved, Chern Metal, No 4, 1961, pp 26-30.

HB 5203

Sci - Min/Met
Oct 61

171, 817

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Experience in the Control of the Thermal State of a Blast Furnace From the Top-Gas Composition, by A. D. Gotlib, et al.

RUSSIAN, per, Iz VUZ Chern Metal.,
No 4, 1961, pp 31-37.

HB 5204

Sci - Engr
Jan 62

178, 328

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Tapping Slag Upon the Contamination of Steel by Non-Metallic Inclusions, by P. M. Danilov, L. N. Karachentseva.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, KM Chern Metal, No 4, 1961, pp 59-66.

HB 5208

Sci - Min/Met

Jan 62

178, 317

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Physical Equations of the Mechanics of Bodies Undergoing Deformation in the Theory of Plastic Working of Metals, by I. Y. Tarnovskiy, A. A. Pozdeyev, L. V. Meandrov.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 4, 1961, pp 67-78.

BIBI 2557

Sci - Phys

196, 182

May 62

List 128

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Microexamination of Martensite Transformation in Titanium-Stabilized 18% Cr-9% Ni Steel During Subzero Treatment, by S. V. Chernyavskaya, I. D. Kedrin.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 4, 1961, pp 89-92.

MB 5240

170.129

Sci

Sep 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Formation of Titanium Carbonitrides in Steel, by Yu. G. Gurevich, E. D. Mokhir.

RUSSIAN, per, Iz Vyesshikh Uchob Zaved, Chern Metal, Apr 1961, pp 107-113.

MB 5241

Sci - Chem

Sep 61

168, 460

list 109

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

MECHANICAL PROPERTIES OF HIGH-TUNGSTEN COBALT-VANADIUM HIGH-SPEED STEELS, BY A. N. POPANDOPULO.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED, CHERN METAL, NO 4, 1961, PP 119-125.

BISI 2966

SCI M/M

NOV 62

LIST 151

217,664

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Composition of Gas Phase in Hydrogen-Saturated Steels, by Yu. V. Grdina, L. B. Krepysheva.

RUSSIAN, per, Iz Vyashikh Uchab Zaved, Chern Metal, Apr 1961, pp 126-133.

MB 5238

Sci - Phys

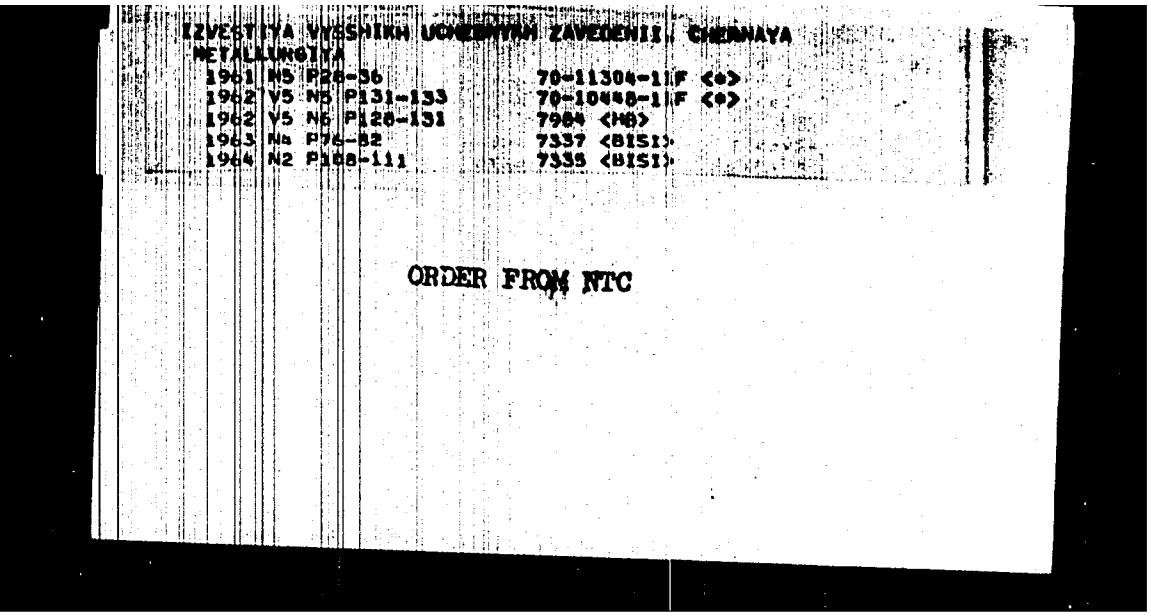
Sep 61

list 109

168. 458

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



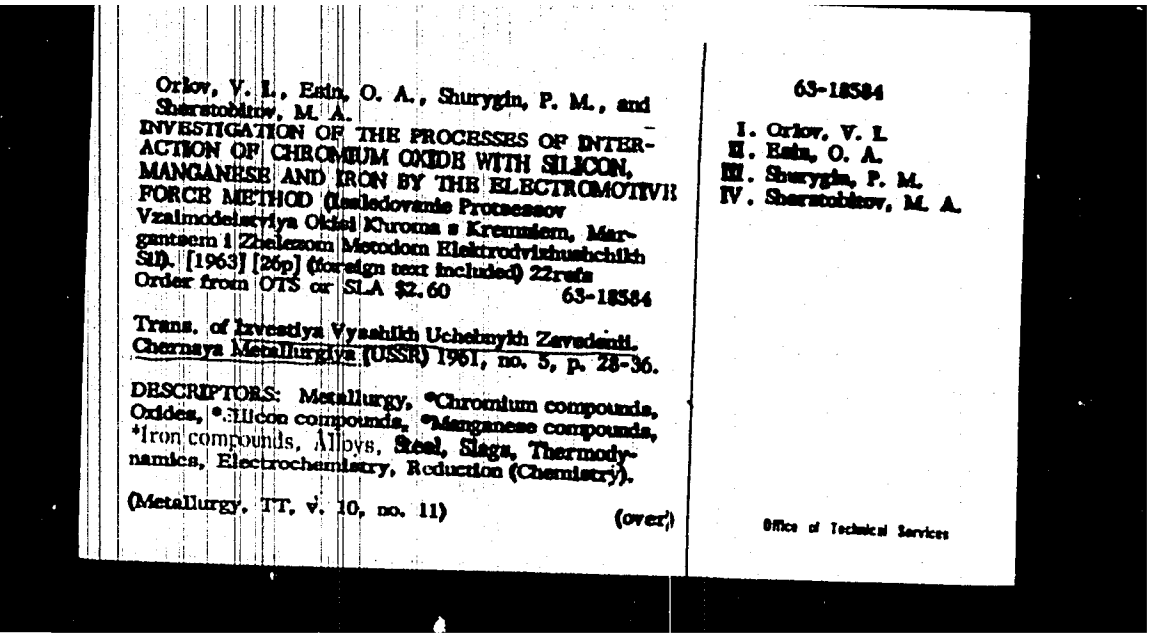
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII. CHERNAYA METALLURGIYA

1961 N5 P28-36 70-11304-1 F <*>
1962 V5 N5 P131-133 70-10448-1 F <*>
1962 V5 N6 P128-131 7904 <MB>
1963 N4 P76-82 7337 <BISI>
1964 N2 P108-111 7335 <BISI>

ORDER FROM NTC

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Orlov, V. L., Esin, O. A., Shurygin, P. M., and Sherstobitov, M. A.
INVESTIGATION OF THE PROCESSES OF INTERACTION OF CHROMIUM OXIDE WITH SILICON, MANGANESE AND IRON BY THE ELECTROMOTIVE FORCE METHOD (Issledovanie Protsessov Vzaimodeistviya Okisi Khroma s Kremniem, Margantsem i Zhelezom Metodom Elektrodvizhushchikh Sil). [1963] [26p] (foreign text included) 22refs
Order from OTS or SLA $2.60 63-18584

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1961, no. 5, p. 28-36.

DESCRIPTORS: Metallurgy, *Chromium compounds, Oxides, *Silicon compounds, *Manganese compounds, *Iron compounds, Alloys, Steel, Slags, Thermodynamics, Electrochemistry, Reduction (Chemistry).

(Metallurgy, TT, v. 10, no. 11) (over)

63-18584

I. Orlov, V. L.
II. Esin, O. A.
III. Shurygin, P. M.
IV. Sherstobitov, M. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Savings From Keeping Limestone Out of the Blast Furnace Charge, by A. G. Neyasov.

RUSSIAN, per, Is Vysshikh Uchob Zaved, Chern Metal, No 5, 1961, pp 37-46.

HB 5244

Sci - Engr

175,869

Dec 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

IMPROVEMENTS IN PRODUCTION PROCESS OF BALL-BEARING STEEL, BY I. A. BARANOV, G. N. OIKS, ET AL.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED, CHERN METAL, NO 5, 1961, PP 50-57.

HB 5549

SCI - MIN/MET
AUG 62

206,993

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Denitrogenisation of Molten Steel With Titanium Under Production Conditions, by Yu. G. Gurevich.

RUSSIAN, per, Iz Vyeshikh Ucheb Zaved, Chern Metal, No 5, 1961, pp 58-67.

BISI 2359

Sci - Min/Metals

Sep 61

170, 109

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

METHODS OF EXTRAPOLATION OF RELAXATION TEST RESULTS, BY Y. S. GINTSBURG.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED CHERN METALLURGII, NO 5, 1961, PP 132-138.

NLL M.3497

CFSTI PT 62-24830

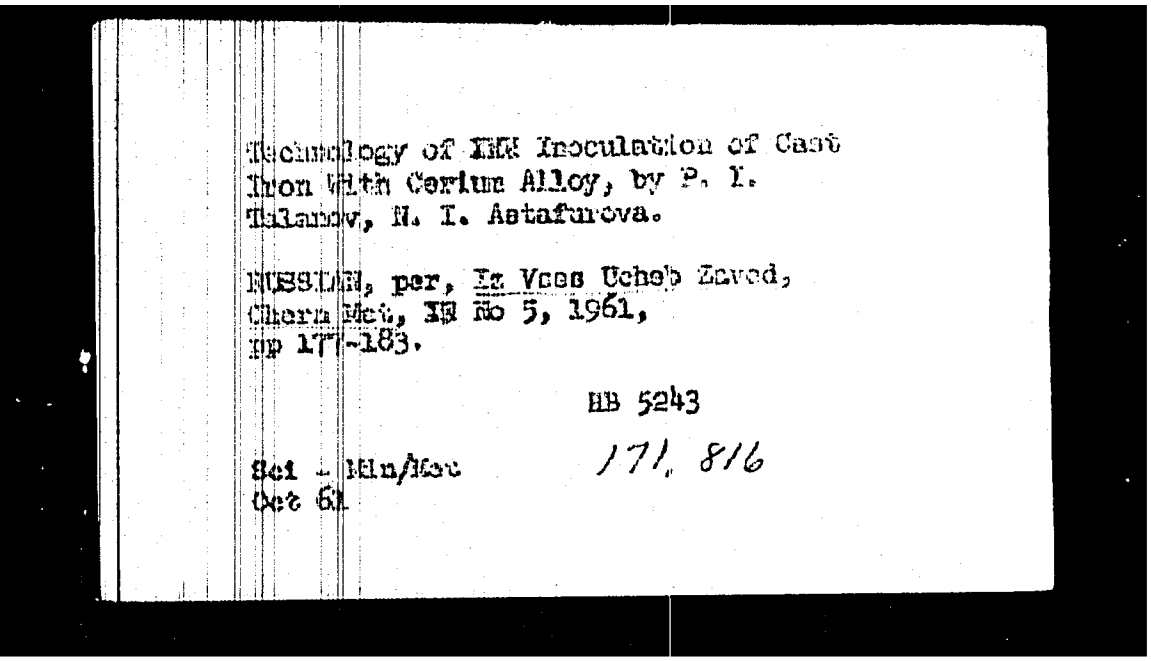
SCI - ENGR

JUN 62

199,096

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



Technology of RM Inoculation of Cast Iron With Cerium Alloy, by P. I. Talanov, N. I. Astafurova.

RUSSIAN, per, Iz Vuss Ucheb Zaved, Chern Met, RM No 5, 1961, pp 177-183.

HB 5243

171.816

Sci - Min/Met
Oct 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Some Special Features of the Reduction of a Static Iron-Ore Bed by Gases, by V. G. Manchinskiy.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Met, No 6, Jun 1961, pp 11-19.

HB 5262

Sci-Min/Met
Mar 63

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Electrical Model of the Thermal Processes in the Continuous Casting of Steel, by E. A. Iodko.

RUSSIAN, per. Iz Vyssh Uchob Zaved Chern Met, No 6, 1961, pp 27-33.

HB 5263

Sci-MEM
May 65

229,829

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Melting Practice, Vacuum Treatment and Pouring Upon Spot Segregation of Chrome-Aluminum Steels, by A. T. Perevyazko, N. N. Chuiko.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 6, 1961, pp 42-[illegible]52.

HB 5265

Sci - Min/Met
Feb 62

182,768

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Ductility of Carbon Steels, by V. N. Peretyat'ko and M. A. Zaikov,
RUSSIAN, per. Izv. VUZ Chern. Met., No 6, 1961, pp 67-74.
BISI 8879

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Dictility of Carbon Steels, by V.N. Peretyat'ko, M.A.Zaikov.
RUSSIAN, per izv. Vuz. chern. Met, Vol. 4, No. 6, 1961, pp 67-74
NLL/5828.4 1965 (5673)

Sci -
Aug 67 337-623

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Welded-Up Flakes on the Mechanical Properties of Steel, by D. Ya. Povolotskiy, L. D. Kossovskiy.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 6, 1961, pp 129-133.

HB 5265

Sci - Min/Met

Jan 62

178,041

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Formation X of Flakes in Steel While Being Inspected for Flakes, by E. S. Tovpenets, S. Z. Yudovich.

RUSSIAN, per, Iz Vyashikh Uchebn Zaved, Chern Metal, No 6, 1961, pp 134-138.

HB 5267

Sci - Min/Met

Jan 62

178,318

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Production Tests of the Patening of Cable Wire in Two Baths, by L. E. Brainin, R. I. Budinshtein. RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metall, No 6, 1961, pp 139-144.
BISI 3119

Sci - Engr
Mxay 64

258,929

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

STUDY OF THERMAL CONDUCTIVITY OF PELLETS AND CONCENTRATES, BY S. G. BRATCHIKOV.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED CHERN METALL.
NO 6, 1961, PP 157-163.

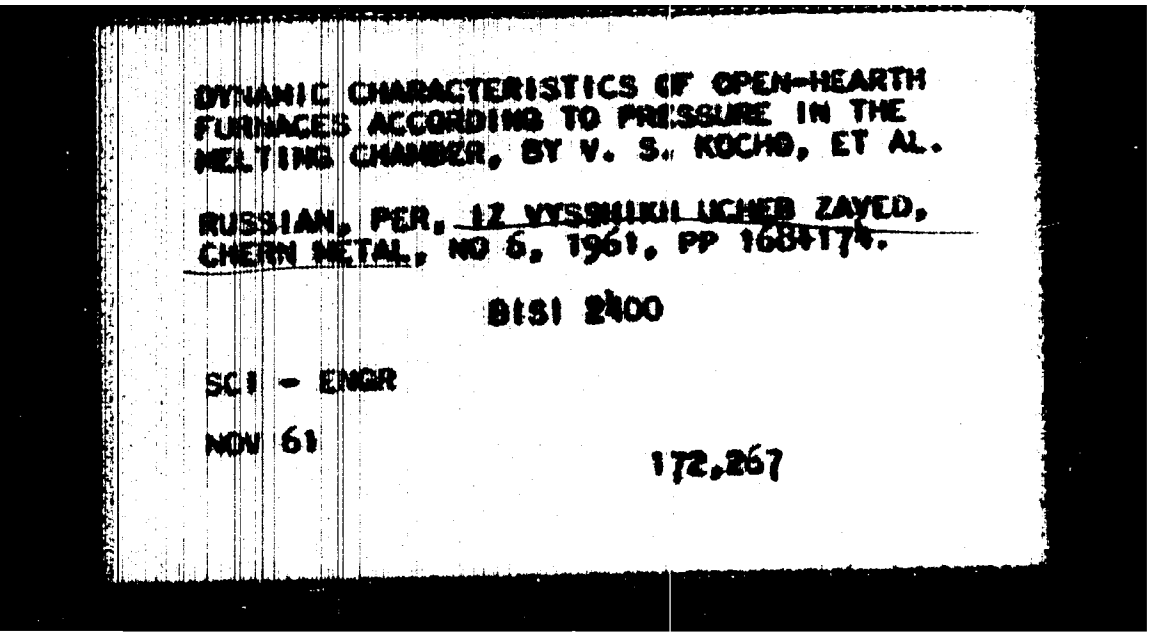
HB 5264

SCI - MIN/MET
OCT 62

212,074

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4



DYNAMIC CHARACTERISTICS OF OPEN-HEARTH FURNACES ACCORDING TO PRESSURE IN THE MELTING CHAMBER, BY V. S. KOCHO, ET AL.

RUSSIAN, PER. IZ VYSSHIKH UCHEB ZAVED, CHERN METAL., NO 6, 1961, PP 168-174.

BISI 2400

SCI - ENGR

NOV 61

172,267

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Effect of Rare-Earth Metals on the Solubility of Hydrgoen in Liquid Iron, by A. M. Yakushev, V. I. Yavoyskiy, Yu. V. Kryukovskiy,

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metall, No 7, 1961, pp 44-54.

HB 5346

Sci - Min/Met
Apr 62

190,746

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Non Metallic Inclusions in Bessemer Rail Steel, by D. I. Turkenich, S. T. Rostovtsev.

RUSSIAN, per, Iz Vysshikh Uchob Zaved, Chern Metal, No 7, 1961, pp 62-66.

BISI 2541

Sci - min/Metals

182,645

Feb 62

list 117

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

EFFECT OF PROCESS FACTORS ON THE DESULFURIZATION OF PIG IRON BY REDUCTION OF SOME ACTIVE METALS, BY M. A. RABKIN, ET AL.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED, CHERN METALL, NO 7, 1961, PP 36-43.

HB 5345

SCI - MIN/MET
OCT 62

212,075

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

F

FACTORS DETERMINING THE HYDROGEN CONTENT IN FINISHED STEEL, BY B. P. NAM, G. N. OYKS, ET AL, 14 PP.

RUSSINN, PEIZ VYSSHIKH UCHEB ZAVED CHERN METAL, NO 7, 1961, PP 55-61. 9678197

FTD-TT-62-517

SCI - MINERALS/METALS
11 OCT 62

212,373

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Formation of a Continuously-Cast Steel Slab and the Incidence of Surface Cracks, by A. A. Skvortsov.

RUSSIAN, per, Iz Vyssh Ucheb Zavod Chern Met, No 7, 1961, pp 78-87.

HB 5347

Sci-Materials & Metallurgy
July 63

235,786

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

An Experimental Investigation Into the Piercing Process, by P. I. Polukhin, V. Ya. Osadchii.

RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zm Zavedenii Chernaya Metallurgiya, No 7, 1961, pp 88-96.

BISI 2997

Sci - Engr
Feb 63

223,663

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Influence of the Carbon Content of Steel on Hydrogen Diffusion, by G. I. Batalin, A. L. Ryasny.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Met, Vol III, 1961, pp 120-125.

NZDIA

Sci-M/M

Oct 63

241,402

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

PROCESSES WHICH OCCUR DURING THE TEMPERING OF COMPLEX ALLOY STEEL, BY I. V. PAISOV, E. V. PANCHENKO, 12 PP.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED CHERN METAL, NO 7, 1961, PP 149-153. 9678197

FTD-TT-62-507

SCI - MINERALS/METAL
11 OCT 62

212,374

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

Mechanism and Kinetics of the Isothermal Crystallisation of Magnesium Cast Iron, K. B. Bunin, L. T. Kalinina.

RUSSIAN, per, Is Vyssshikh Uchab Zavad, Chern Metal, No 7, 1961, pp 176-179.

HB 5371

Sci - Min/Met
Jun 62

199,406

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4

XXAutomatic Control of the Heating Cycle in the Steelmaking Arc Furnace, by V. M. XXXXgX Vinogradov.

RUSSIAN, per, Iz Vyssh Uchab Zavod Chern Met, No 7, 1961, pp 180-194.

HB 5762

Sci-Materials & Metallurgy
July 63

235,794

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130025-4